

# **2002 LMOP Project Expo**



## **NORTHAMPTON LANDFILL NORTHAMPTON, MASSACHUSETTS**

**January 6, 2003  
Washington, DC**

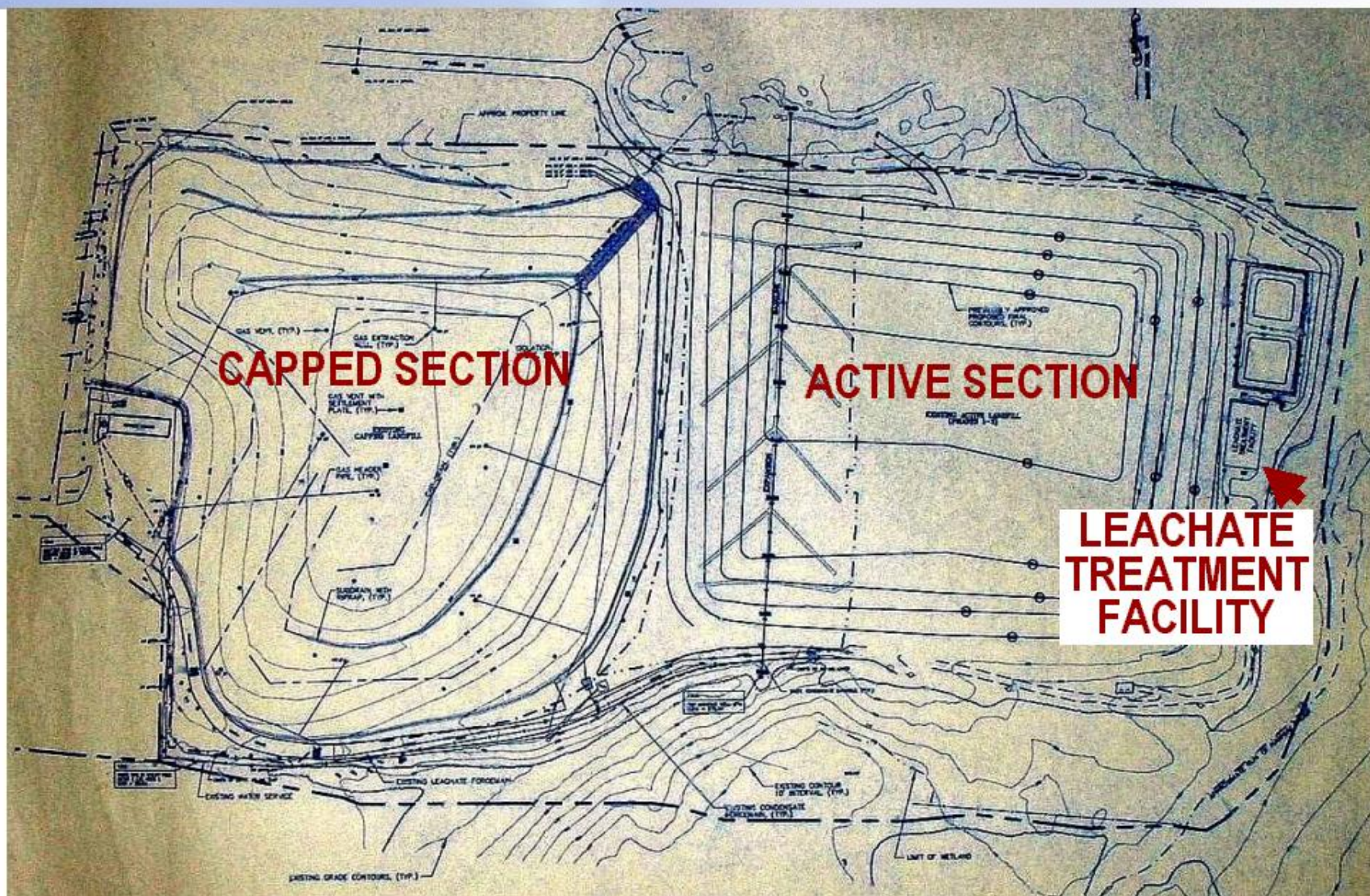
# LANDFILL OVERVIEW



- **Owner:** City of Northampton
- **Physical Location:** Northampton, MA
- **Open Year:** 1969
- **Closure Year:** 2007
- **Waste in Place:** 2,565,237 tons
- **Design Capacity:** 2,800,000 tons
- **WIP and Design Capacity:** Estimated based on loose cubic yardage (1969-1990) and scale tons (1991-present)
- **Annual Acceptance:** 50,000 tons
- **Landfill Area:** 52 acres
- **Landfill Depth:** 90 feet (approx.)



# FACILITY MAP



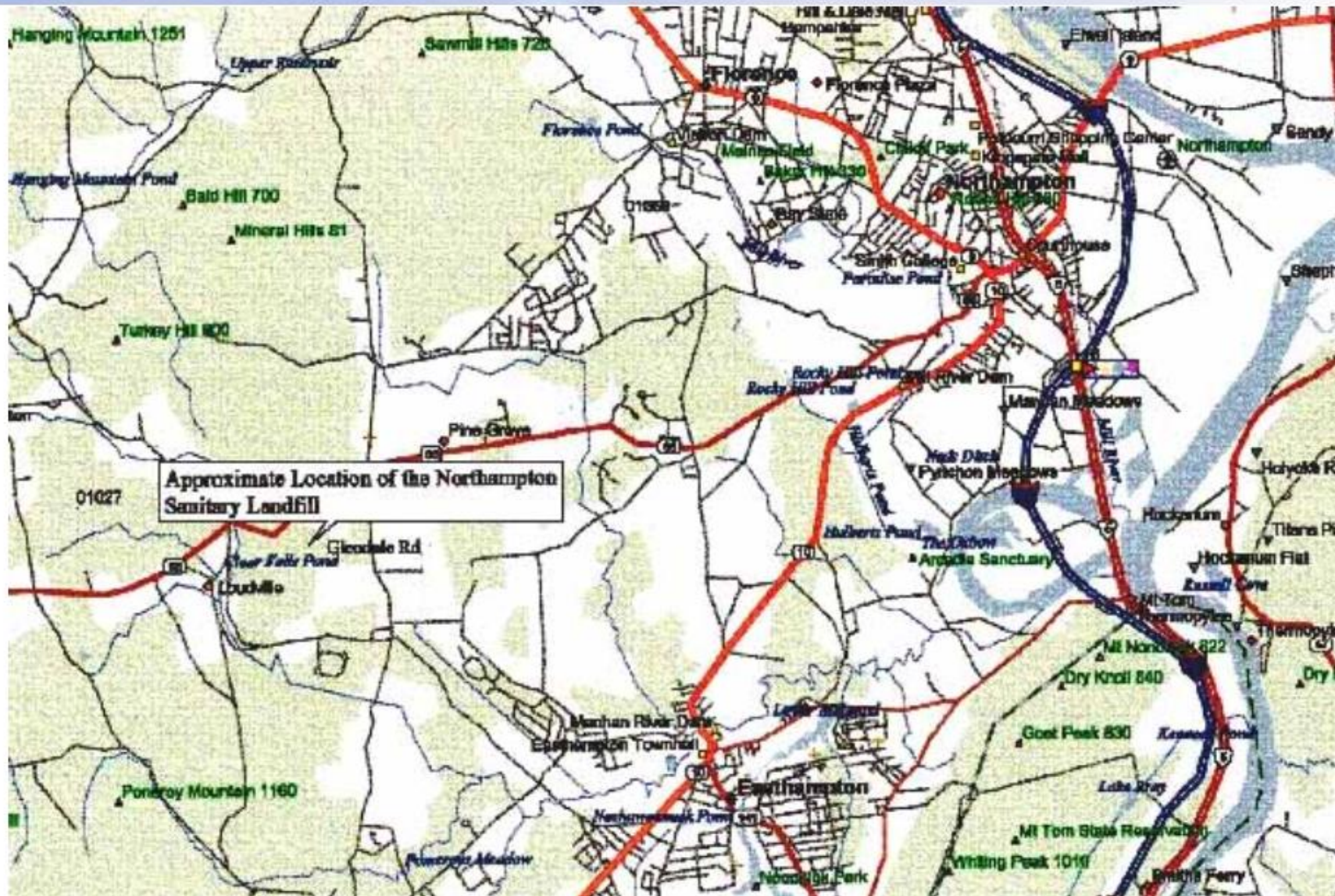


# LANDFILL - AERIAL VIEW





# LANDFILL LOCATION MAP



# LANDFILL GAS GENERATION



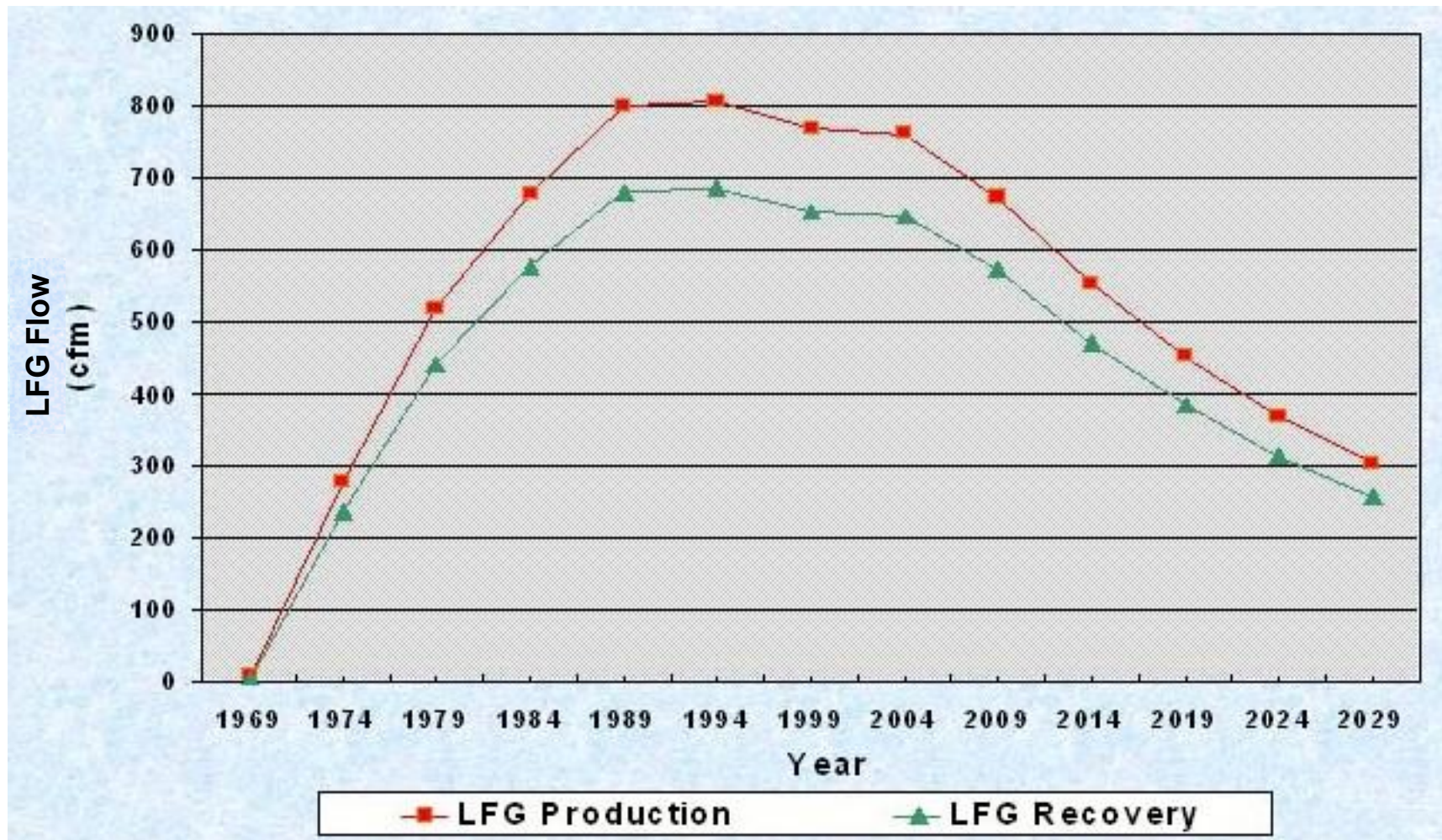
- Wells in Place - 13 extraction wells
- Flare - 1 active flare
- LFG Flow to flare - 400 to 500 cfm
- Methane Content - 50%
- E-PLUS Model Estimation - 760 cfm generated; 650 cfm can be collected, in 2002
- NSPS Status - Non-NSPS per design capacity
- Section 29 Credits - Available



# E-PLUS LFG CURVE



## LFG Projection - Northampton Landfill, Massachusetts



# ANALYSIS COMPLETED



- **E-PLUS Model Analysis was done**
- **Feasibility Study is available**



# POTENTIAL END USERS



- **Hampshire County Correctional Facility**
- **Smith College**
- **Tennessee Gas Pipeline Company**
- **Above potential users are within 4 mile of the landfill**

# CONTACT INFORMATION



**Contact: Mr. Peter McErlain**

**Organization: City of Northampton**

**Address: 210 Main Street,  
Northampton, MA 01060**

**Phone: 413-587-1213**

**E-mail: [pmcerlain@city.northampton.ma.us](mailto:pmcerlain@city.northampton.ma.us)**